

ioofhimyqp - Product Carbon Footprint

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Total PCF: **66.19 kgCO₂e**

Total Footprint

66.19 kgCO₂e

Per 1.0 unit of ioofhimyqp

Carbon Intensity

66.19 kgCO₂e/unit

Calculated for 1.0 unit

Top Material Hotspot

Plastic Casing

1.25 kgCO₂e (from Materials Acquisition)

Primary Emission Scope

Scope 3

Value Chain Emissions (64.64 kgCO₂e)

Highlights & Hotspots

- The ****Use Phase**** is the overwhelmingly dominant emission hotspot, contributing 75.54% of the total product carbon footprint due to product energy consumption over its lifespan.
- ****Downstream Transportation**** (last-mile delivery) is the second largest contributor, accounting for 18.98% of the total PCF, highlighting logistics as a significant area for optimization.
- Despite comprehensive Scope 3 coverage, the active ****End-of-Life take-back program and recycling efforts**** lead to a net avoidance of 0.72 kgCO₂e, positively impacting the overall footprint.

How to Reduce Your Carbon Footprint

- ****Enhance Energy Efficiency:**** Focus on reducing energy consumption during the product's use phase or explore options for end-users to power the product with cleaner energy sources.
- ****Optimize Logistics:**** Implement strategies to reduce emissions from last-mile delivery, such as route optimization, utilizing lower-emission vehicles, or exploring localized distribution models.
- ****Sustainable Materials:**** Investigate alternative materials with lower inherent carbon footprints or increase the recycled content of components like the plastic casing.
- ****Boost Green Production:**** Further increase the percentage of renewable energy used in manufacturing facilities and continually optimize production processes for energy efficiency.